

Substitute Form PTO-1449 (Modified) DEC 19 2003 OFFICE \$1.98(b)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10578-002005	Application No. 09/943,111
	Information Disclosure Statement by Applicant (Use several sheets if necessary)		
	Applicant William B. Kerfoot		Filing Date August 30, 2001

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U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
BMA	AA	4,639,314	1/1987	Tyer			1/18/85
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	AC	4,966,717	10/1990	Kern			2/10/89
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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
BMA	AW	4-171036	6/1992	Patent Abstract of Japan				
BMA	AX	6-023378	1/1994	Patent Abstract of Japan				

Examiner Signature

Robert M. Hoy

Date Considered

3/15/04

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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							Yes	No
	AY							
	AZ							
	AAA							

Other Documents (include Author, Title, Date, and Place of Publication)

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	ACC	"In-situ Air Sparging Without Inorganic Nutrient Amendment: An Effective Bioremediation Strategy for Treating Petroleum-Contaminated Groundwater Systems", R. Schaffner, Jr., et al., http://www.bioremediationgroup.org/BioReferences/Tier1Papers/insitu.htm , July 30, 2003, pp. 1-14.
	ADD	"Environmental Management", DON Environmental Restoration Plan for Fiscal Years 1997-2001, Sept. 30, 1996, pp. 4-1 to 4-8.
	ABE	"How to Evaluate Alternative Cleanup Technologies for Underground Storage Tank Sites", U.S. Environmental Protection Agency, October 1994.
	AFF	"Yuma Pilot-Testing Ozone Sparging, Stripping", Pasha Publications, Defense Cleanup, Nov. 8, 1996, pp. 5-6.
	AGG	"Chemical Degradation of Aldicarb in Water Using Ozone", F.J. Beltran et al., <i>Journal of Chemical Technology & Biotechnology</i> , 1995, pp. 272-278.
	AHH	"Modelling Industrial Wastewater Ozonation in Bubble Contactors", <i>Ozone Science & Engineering</i> , Vol. 17, 1995, pp. 379-398.
	AII	"Modelling Industrial Wastewater Ozonation in Bubble Contactors", <i>Ozone Science & Engineering</i> , Vol. 17, 1995, pp. 355-378.
	AJJ	"Kinetics of the Bentazone Herbicide Ozonation", <i>Journal of Environmental Science and Health</i> , Vol. A31, No. 3, 1996, pp. 519-537.
	AKK	"Field Applications of In Situ Remediation Technologies: Chemical Oxidation", U.S. Environmental Protection Agency, September 1998, pp. 1-31.
	ALL	"Technology Status Review In Situ Oxidation", <i>Environmental Security Technology Certification Program</i> , November 1999, pp. 1-42.
	AMM	"Design of a Packed Bed Ozonation Reactor for Removal of Contaminants from Water, Billing, <i>Dissertation Abstracts International</i> , Vol. 57, No. 10, April 1997, pp. 6398-B.
	ANN	"Completed North American Innovative Remediation Technology Demonstration Projects", U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, August 12, 1996, pp. 1-35.
	AOO	"Ground Water Issue", H.H. Russell et al., U.S. Environmental Protection Agency, January 1992, pp. 1-10.
	APP	"In Situ Chemical Treatment", Y. Yin, Ph.D., <i>Technology Evaluation Report, GWRTAC</i> , July 1999, pp. 1-74.
BMTA	AQQ	"Analysis of Selected Enhancements for Soil Vapor Extraction", U.S. Environmental Protection Agency, September 1997, pp. 1-5 to 7-39.

Examiner Signature <i>Robert M. Foley</i>	Date Considered 3/15/04
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Other Documents (include Author, Title, Date, and Place of Publication)

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	ASS	"Single-phase Membrane Ozonation of Hazardous Organic Compounds in Aqueous Streams", P.V. Shanbhag et al., <i>Journal of Hazardous Materials</i> 41, 1995, pp. 95-104.
	ATT	"Gas Partitioning of Dissolved Volatile Organic Compounds in the Vadose Zone: Principles, Temperature Effects and Literature Review, J.W. Washington, <i>GROUNDWATER</i> , Vol. 34, No. 4, July-August 1996, pp. 709-718.
	AUU	"Biologically Resistant Contaminants, Primary Treatment with Ozone", D.F. Echegaray et al., <i>Water Science and Technology, A Journal of the International Association on Water Quality</i> , Vol. 29, No. 8, 1994, pp. 257-261.
	AVV	"Toxins, toxins everywhere", K.K. Wiegner, <i>Forbes</i> , July 22, 1991, pp. 298.
	AWW	"In Situ Air Sparging System", <i>Tech Data Sheet, Naval Facilities Engineering Service Center</i> , March 1997, pp. 1-4.
	AXX	"Ground Water, Surface Water, and Leachate", http://www.fitr.gov/matrix2/section4/4-30.html , July 22, 2003, pp. 1-4.
	AYY	"Alternate Technologies for Wastewater Treatment", J. Hauck et al., <i>Pollution Engineering</i> , May 1990, pp. 81-84.
	AZZ	"Cleaning up", <i>Forbes</i> , June 1, 1987, pp. 52-53.
	AAAA	"In Situ Chemical Oxidation for Remediation of Contaminated Soil and Ground Water", <i>EPA</i> , September 2000, Issue No. 37, pp. 1-6.
	ABBB	"Aquifer Remediation Wells", <i>EPA</i> , Vol. 16, September 1999, pp. 1-80.
	ACCC	"Transfer Rate of Ozone across the Gas-Water Interface", S. Okouchi et al., <i>The Chemical Society of Japan</i> , No. 2, 1989, pp. 282-287.
	ADDD	"Effect of Organic Substances on Mass Transfer in Bubble Aeration", M. Gurol et al., <i>Journal WPCF</i> , Vol. 57, No. 3, pp. 235-240.
	AEEE	"Clare Water Supply", <i>EPA</i> , http://www.epa.gov/region5/superfund/npl/michigan/MID980002273.htm , pp. 1-3.
	AFFF	"Who's Afraid of MTBE?", K.P. Wheeler et al., <i>Manko, Gold & Katcher</i> , http://www.rcc-net.com/Wheels.htm , July 2000, pp. 1-5.
	AGGG	"RCC RemedOzone Mobile Remediation System", RCC
	AHHH	"Santa Barbara I Manufactured Gas Plant Site", <i>California EPA</i> , January 2002, pp. 1-6.
	AIHH	"Typical Applications of Ozone", ARCE Systems, Inc., http://www.arcesystems.com/products/ozone/applications.htm , 2000-02, pp. 1-2.
	AJJJ	"Strategies to Protect Your Water Supply from MTBE", Komex Industries, http://www.komex.com/industries/remediation.stm , 2002, pp. 1-8.
	AKKK	"In Situ Remediation with Chemical Oxidizers: Ozone, Peroxide and Permanganate", Environmental Bio-systems, Inc., pp. 1-5.
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Bm	AMMM	"In Situ Ozonation to Remediate Recalcitrant Organic Contamination", J. Dablow et al., IT Corporation, pp. 1-2.			

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